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## Axl (C89E7) Rabbit mAb (PE Conjugate)

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> FC-FP	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P30530	<b>Entrez-Gene Id:</b> 558
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<b>Product Usage Information</b>	<b>Application</b> Flow Cytometry (Fixed/Permeabilized)	<b>Dilution</b> 1:50
<b>Storage</b>	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.	
<b>Specificity/Sensitivity</b>	Axl (C89E7) Rabbit mAb (PE Conjugate) detects endogenous levels of total Axl protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a recombinant human fragment of the Axl protein.	
<b>Description</b>	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated Axl (C89E7) Rabbit mAb #8661.	
<b>Background</b>	Axl, Sky, and Mer are three members of a receptor tyrosine kinase (RTK) family that share a conserved intracellular tyrosine kinase domain and an extracellular domain similar to those seen in cell adhesion molecules. These RTKs bind the vitamin K-dependent protein growth-arrest-specific gene 6 (Gas6), which is structurally related to the protein S anticoagulation factor (1). Upon binding to its receptor, Gas6 activates phosphatidylinositol 3-kinase (PI3K) and its downstream targets Akt and S6K, as well as NF-κB (2,3). A large body of evidence supports a role for Gas6/Axl signaling in cell growth and survival in normal and cancer cells (4).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Crosier, K.E. and Crosier, P.S. (1997) <i>Pathology</i> 29, 131-5.</li> <li>2. Demarchi, F. et al. (2001) <i>J Biol Chem</i> 276, 31738-44.</li> <li>3. Lee, W.P. et al. (2002) <i>Oncogene</i> 21, 329-36.</li> <li>4. Bellosta, P. et al. (1997) <i>Oncogene</i> 15, 2387-97.</li> </ol>	
<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
<b>Applications Key</b>	<b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)	
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>Mk:</b> Monkey	
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